

# ASINEX Glycomimetic Macrocycles

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Carbohydrates are the most abundant natural products. They participate in metabolism and serve as structural building blocks. Carbohydrates are fundamental constituents of every cell surface, where they are involved in vital cellular recognition processes. Glycomimetics are designed to mimic the structure of natural carbohydrates and modulate their disease-related functions.

Glycomimetic Macrocycles are an extremely interesting class of glycomimetics that occupy space between small and macro molecules. Glycomimetic Macrocycles are mostly represented by naturally occurring molecules derived from marine microorganisms and bacterial or fungal metabolites. Synthetic glycomimetic macrocycles demonstrate antiangiogenesis activity with potential for anti-cancer therapy [1,2]

